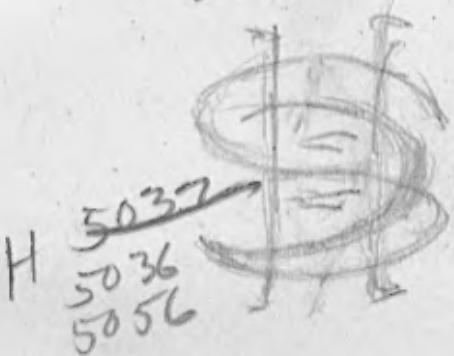
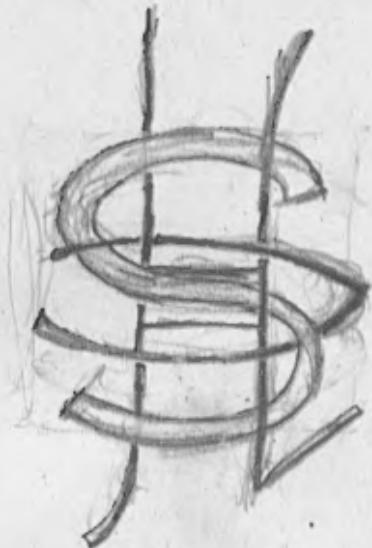


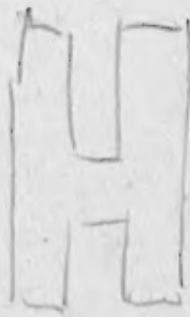
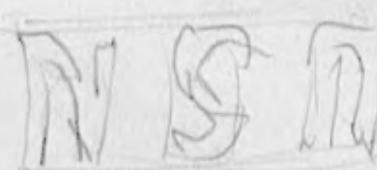
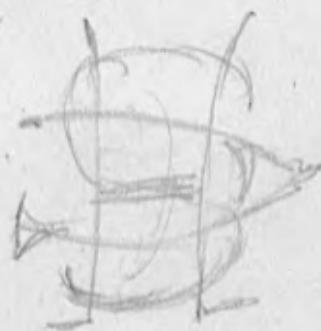
H5036-  
5056.

D5732-  
5752.





D 5732  
5752



Dredge No. 5732 Date, March 11, 1912  
Hydrog. Hand line fwd Reel Shot 14 lbs.  
Sdg. Mch.

Turns Cor'n Depth 12 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.  
No. Cor'n { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 57 Time 10:34 } Air { 57°  
57 Time 10:50 } Air { 57°

Density: Surf. fms.

Wind: Direction S Force 2

Baromet. 30.10 Amt. of Clouds 10 State of Sea C

Weather 50°

Direction and Force of Current { Surface  
of Current. Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 9 Agassiz sampler

2 wing weights + fall weight

3 float. mud bag

Time towing h. 17 m.

Remarks:

Deck Officer W. R. W. Recorder W. Cripe  
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0	10	31	00
			40	10	33	40
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5036 Date, March 11, 1912  
Hydrog. }

Sdg. Mch. Horseshoe Reel

Shot 14 lbs.

Turns Cor'n Depth 9 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.  
No. Cor'n Stem.

Bottom Reading 57 Cor'd. Temp.

Temp. Surf. { 57 Time 10:53 A.M. { Air { 57  
Time

Density: Surf. fms.

Wind: Direction E Force 2

Baromet. 30.10 Amt. of Clouds 10 State of Sea C

Weather 03 P.M.

Direction and Force of Current. { Surface  
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Bettig Recorder W. Crider  
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5733 Date, March 11, 1912  
Hydrog. }

Sdg. Mch. Hand line fwd Reel Shot } 14 lbs.

Turns Cor'n Depth 9 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.  
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 57 Time 11:08 A.M. Air { 57  
57 Time 11:28 A.M. Air { 51

Density: Surf. fms.

Wind: Direction S Force 3

Baromet. 30.08 Amt. of Clouds 10 State of Sea C

Weather D.F.

Direction and Force of Current. { Surface  
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 9' gossig. 1 pulley

2 min. g. weights: 1 tail weight

3 glass floats: 1 med. bag.

Time towing h. 20 m.

Remarks:

Deck Officer W. R. Dickey Recorder A. W. Cope  
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.			
M. DOWN.	UP.	M.		A	M. DOWN.	UP.	A
			0	11	06 00	11 29	30
30	100			11	07 50	11 27	50
			200				
			300				
			400				
			500				
			600				
			700				
			800				
			900				
			1000				
			1100				
			1200				
			1300				
			1400				
			1500				
			1600				
			1700				
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			1900				
			2000				
			2100				
			2200				
			2300				
			2400				
			2500				
			2600				
			2700				
			2800				
			2900				
			3000				
			3100				
			3200				
			3300				
			3400				
			3500				
			3600				
			3700				
			3800				
			3900				
			4000				
			4100				
			4200				
			4300				
			4400				
			4500				
			4600				
			4700				
			4800				
			4900				

Dredge } No. 5037 Date, March 11, 1912  
Hydrog. }  
Sdg. Mch. Hand line fwd Reel Shot } 14 lbs.

Turns Cor'n Depth 8 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.   
 { No. Cor'n { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 57 Time 11:30 A.M. { Cor'd Temp.   
 { Time Air { 57

Density: Surf. fms.

Wind: Direction S. Force 3

Baromet. 30.02 Amt. of Clouds 10 State of Sea C

Weather S.W.

Direction and Force of Current { Surface   
 { Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer M. W. Ratig Recorder H. W. Brider

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	UP.	M.		M. Down.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. 5734 Date, 11/11/19  
 H. 11' 11" Reel Shot 12 lbs.  
 Sdg. Mch. 11' 11" Lead  
 Turns Cor'n Depth 10 3/4 fms.  
 Sdg. Cup Amt. Bot'm Sample  
 Character of

Bottom Reading	Cor'd Temp.
Temp. Surf. { 57	Time 10:40 P
57	Air 53

*Density: Surf.* 24 *fms.* 24

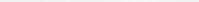
Wind: Direction SSW. Force 6

Baromet. 30.03 Amt. of Clouds 9 State of Sea C

Weather bc

*Direction and Force  
of Current.* { *Surface*  
*Bottom* . . . . .

Chart used: No. \_\_\_\_\_ Ed'n. \_\_\_\_\_

Drift: Direction  Distance

Depth of Haul 15 fathoms

Apparatus and Rig used 4<sup>th</sup> October, 1912

3. *Chlorophytum comosum* (L.) Willd.

Time towing h. /<sup>15</sup> m.  
Remarks: ~~1000 ft. ground line, with sloping bottom.~~

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0	12	40 00	1 04 30
		*	40 400	12	43 00	
			50 200	12	53 00	1 01 30
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
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			1900			
			2000			
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			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Hydrog. No. 502 Date, March 11, 1911  
Sdg. Mech. Tides, 1/4 ft. of Reel Shot, Lead  
Turns Cor'n Depth 9' 5" fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Maker Cor'n { Instr.  
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 10° 1° { Air  
Time

Density: Surf. fms.

Wind: Direction S E Force 3

Baromet. 30.00 Amt. of Clouds 9 State of Sea C

Weather H

Direction and Force { Surface  
of Current. { Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer { Name No. Recorder No. N.Y. 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5735 Date, March 1, 1917  
Hydrog. }  
Sdg. Mch. Hand Reel Reel Shot  
Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.  
No. Cor'n Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 51 Time 1:33 P } 54°  
57 Time 1:50 P Air 54°

Density: Surf. fms.

Wind: Direction Force 3

Baromet. 30.00 Amt. of Clouds 10 State of Sea S

Weather N

Direction and Force { Surface  
of Current. Bottom

Tide ..

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 1. 600 ft. line  
2. 100 ft. line 3. 100 ft. line

3. 100 ft. line 1. 100 ft. line

Time towing h. 11 m.  
Remarks: Tail over gaff went lost

Deck Officer W. R. Orr Recorder A. W. C. 11-1023

## SOUNDING WIRE.

M. DOWN. | UP. | M.

FMS.

## DREDGING CABLE.

M. DOWN. | UP. | M.

		0	1' 27 30	1' 27 30
50	400		1' 32 30	
65	200		1' 36 15	1' 36 15
	300			
	400			
	500			
	600			
	700			
	800			
	900			
	1000			
	1100			
	1200			
	1300			
	1400			
	1500			
	1600			
	1700			
	1800			
	1900			
	2000			
	2100			
	2200			
	2300			
	2400			
	2500			
	2600			
	2700			
	2800			
	2900			
	3000			
	3100			
	3200			
	3300			
	3400			
	3500			
	3600			
	3700			
	3800			
	3900			
	4000			
	4100			
	4200			
	4300			
	4400			
	4500			
	4600			
	4700			
	4800			
	4900			

Dredge No. 1 Date, March 1, 1914  
Hydrog. 111 Reel  
Sdg. Mch. 111 Shoot Leads  
Turns Cor'n Depth 10 fms.  
Sdg. Cup Amt. Bot'm Sample

Character of Bottom  
Thermom. { Make Cor'n { Instr.  
No. Cor'n { Stem.

Bottom Reading Cor'd Temp.  
Temp. Surf. { Time { Air { 54.4  
Time

Density: Surf. fms.  
Wind: Direction Variable Force 3  
Baromet. 29.70 Amt. of Clouds / 0 State of Sea 5  
Weather 0m

Direction and Force of Current { Surface  
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer W.W. (W.W.) Recorder (W.W.) (W.W.)  
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 56 Date, Feb. 11, 1912  
 Hydrog. }  
 Sdg. Mech. } Reel Shtd'f lbs.  
 Turns Cor'n V. Depth 9 1/4 fms.  
 Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.  
 No. Cor'n { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time { Cor'd Temp. { Time { Air {  
 Time

Density: Surf. fms.

Wind: Direction Force 3

Baromet. 30.0 Amt. of Clouds 10 State of Sea.

Weather

Direction and Force of Current { Surface  
 of Current { Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used  
 Tension of Wire  
 Weight of Buoy  
 Weight of Buoy  
 Time towing 12 m.

Remarks:

Deck Officer Recorder 11-1023

## SOUNDING WIRE.

M. DOWN. | UP. | M.

FMS.

## DREDGING CABLE.

J' M. DOWN. | UP. | P M.

0	2	11	00	23340
200	2	11	00	23340
300				
400				
500				
600				
700				
800				
900				
1000				
1100				
1200				
1300				
1400				
1500				
1600				
1700				
1800				
1900				
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2200				
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2400				
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2600				
2700				
2800				
2900				
3000				
3100				
3200				
3300				
3400				
3500				
3600				
3700				
3800				
3900				
4000				
4100				
4200				
4300				
4400				
4500				
4600				
4700				
4800				
4900				

Hydrog. No. 1000 Date, 11/21/19  
Sdg. Mech. 0 Reel Shot, 10 lbs.  
Turns Cor'n Depth 10 fms.  
Sdg. Cup Amt. Bot'm Sample

Character of Bottom  
Thermom. { Make Cor'n { Instr. Cor'n { Stem.  
No. 1000

Bottom Reading Cor'd Temp.  
Temp. Surf. { 57 Time 2:34 P.M. } Air { 54  
Time

Density: Surf. fms.

Wind: Direction N. W. Force 3  
Baromet. 30.00 Amt. of Clouds 100 State of Sea C

Weather over

Direction and Force { Surface  
of Current. { Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer J. M. Recorder J. M.  
11-1023

SOUNDING WIRE			FMS.	DREDGING CABLE		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
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			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 6 Date, 19/2  
Hydrog. }  
Sdg. Mch. 1000' Reel Shot } lbs.  
Turns Cor'n Depth 10' fms.  
Sdg. Cup Amt. Bot'm Sample

Character of  
Bottom

Thermom. { Make Cor'n { Instr.  
No. Stem.

Bottom Reading

Temp. Surf. { 57 Time 2:50 P. Cor'd. Temp.  
57 Time 3:12 P. Air { 54°  
55°

Density: Surf.

fms.

Wind: Direction N. W. Force 3-4

Baromet. 30.00 Amt. of Clouds 10. State of Sea

Weather Dry

Direction and Force of Current. { Surface  
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul 10' bottom

Apparatus and Rig used  
Time towing h. 2 m.

Remarks:

Deck Officer

Recorder

SOUNDING WIRE.		FMS.	DREDGING CABLE.			
M. DOWN.	UP.		M.	M.	UP.	M.
		0			3	
50	100	2	50	50		
60	200	2	51	50	3	11
		300				
		400				
		500				
		600				
		700				
		800				
		900				
		1000				
		1100				
		1200				
		1300				
		1400				
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		2300				
		2400				
		2500				
		2600				
		2700				
		2800				
		2900				
		3000				
		3100				
		3200				
		3300				
		3400				
		3500				
		3600				
		3700				
		3800				
		3900				
		4000				
		4100				
		4200				
		4300				
		4400				
		4500				
		4600				
		4700				
		4800				
		4900				

Brigde } No. 1 Date, Oct 19, 1915  
Hydrog. }  
Sdg. Mech. } Reel Shot } lbs.  
Turns Cor'n Depth 13 fms.  
Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n Instr.  
No. Cor'n Stem.

Bottom Reading Cor'd Temp.  
Temp. Surf. { Time 27.1 (27.1) } Air { 55.1  
Time

Density: Surf. fms.

Wind: Direction S S E Force 4-5

Baromet. 29.71 Amt. of Clouds 10 State of Sea 8

Weather ~~Windy~~

Direction and Force of Current { Surface  
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer *W. G. Gide* Recorder No. 51-1023

## SOUNDING WIRE.

M. DOWN. | UP. | M.

FMS.

## DREDGING CABLE.

M. DOWN. | UP. | M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge No. 12 Date, 1915  
Hydrog. Reel Shot  
Sdg. Mech. Lead lbs.  
Turns Cor'n Depth 60 fms.  
Sdg. Cup Amt. Bot'm Sample

Character of Bottom  
Thermom. { Make Cor'n { Instr.  
No. Cor'n { Stem.

Bottom Reading Cor'd Temp.  
Temp. Surf. { 52° Time 9:41 a.m. Air { 54.5°  
Time

Density: Surf. fms.  
Wind: Direction Variable Force 4  
Baromet. 29.96 Amt. of Clouds 5 State of Sea S  
Weather N.E.

Direction and Force { Surface  
of Current. { Bottom

Tide

General Locality Golden Gate

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used

Sdg. weight 3 lbs. Sdg. 2  
velo and 1 fath.

Time towing — h. 9 m.

Remarks

2

3

4

5

Deck Officer A. C. C. Recorder

## SOUNDING WIRE.

M. DOWN. | UP. M.

## FMS. DREDGING CABLE.

M. DOWN. | UP. M.

0	3200	1000	00
100	3810	371	10
165	94100	0	100
200			
300			
400			
500			
600			
700			
800			
900			
1000			
1100			
1200			
1300			
1400			
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3700			
3800			
3900			
4000			
4100			
4200			
4300			
4400			
4500			
4600			
4700			
4800			
4900			

0	3200	1000	00
100	3810	371	10
165	94100	0	100
200			
300			
400			
500			
600			
700			
800			
900			
1000			
1100			
1200			
1300			
1400			
1500			
1600			
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4900			

Hydrog. No. 17045 Date, Nov. 12, 1912

Sdg. Mech. Reel Shot} lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. ---  
No. Cor'n { Stem. ---

Bottom Reading Cor'd Temp. ---

Temp. Surf. { 55° Time 55° { Air ---  
Time --- --- ---

Density: Surf. fms. ---

Wind: Direction Tropic Force 4

Baromet. 30.00 Amt. of Clouds 8 State of Sea S.

Weather ---

Direction and Force { Surface ---  
of Current. { Bottom ---

Tide ---

General Locality ---

Position ---

Chart used: No. Ed'n ---

Drift: Direction Distance ---

Depth of Haul ---

Apparatus and Rig used ---

Time towing h. m.

Remarks: ---

Deck Officer Mr. Cleary, Recorder F. T. M. J. -  
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
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			2800			
			2900			
			3000			
			3100			
			3200			
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			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge Hydrog.	No. 17	Date, 1912
Sdg. Mech.	150 ft.	Reel Shot Leads 16 lbs.
Turns	Cor'n	Depth 15 fms.
Sdg. Cup		Amt. Bot'm Sample
Character of Bottom		
Thermom.	Make Cor'n	Instr. Stem
	{ No.	
Bottom Reading		Cor'd. Temp.
Temp. Surf.	Time 0:57 a.	Air
	Time	
Density: Surf.		fms.
Wind: Direction	Variable	Force 3-4
Baromet.	29.76	Amt. of Clouds 9 State of Sea S
Weather	72°	
Direction and Force of Current.	Surface	
	Bottom	

Tide Low 10.00 h.  
General Locality Seaside L.  
(1)  
Position  
Chart used: No. 100 Ed'n. 1  
Drift: Direction SW Distance 1500  
Depth of Haul 150 fms.  
Apparatus and Rig used 5' trawl, 400 ft. line, 100 ft. leader, 200 ft. drift line, 200 ft. tow line, 50 ft. weight  
Time towing 15 m.

### Remarks:

Deck Officer John C. Miller Recorder Arthur 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	UP.	M.		M. Down.	UP.	M.
			0	60	56	00
40	-100		100	10	76	40
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Handline } No. 5211 Date 10, 1911  
Hydrog. } Sdg. Mech. Handline Reel Shot 1" lbs. 3  
Sdg. Cup

Turns Cor'n Depth 7 Ch. 22 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. ....  
No. Cor'n { Stem. ....

Bottom Reading Cor'd Temp.

Temp. Surf. { 50° Time 11:20 a. } Air { 51°  
Time

Density: Surf. fms.

Wind: Direction Variable Force 3

Baromet. 30.05 Amt. of Clouds 9 State of Sea S

Weather Fc

Direction and Force of Current { Surface  
Bottom

Tide

General Locality San Francisco Bay.

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
M. Down.	UP.	M.	M.	UP.	M.
		0			
		100			
		200			
		300			
		400			
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
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		2800			
		2900			
		3000			
		3100			
		3200			
		3300			
		3400			
		3500			
		3600			
		3700			
		3800			
		3900			
		4000			
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		4300			
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		4800			
		4900			

Dredge No. 5742 Date, (1912)  
 H. H. H. Sdg. Mech. Sdg. Cup Character of Bottom  
 Sdg. Lead Shot 14 lbs.  
 Turns Cor'n Depth 7 fms.  
 Sdg. Cup Amt. Bot'm Sample  
 Character of Bottom

Thermom. { Make Cor'n { Instr.  
No. Stem.

Bottom Reading	Cor'd. Temp.
Temp. Surf. { 50°	Time 11:25 { Air { 57°
50°	Time { 57°

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction SW. Force 3-4

Baromet. 30.00 Int. of Clouds 5- State of Sea 2

## Weather -

*Direction and Force  
of Current.* { *Surface*  
                          { *Bottom*

*Tide* ..... .

*Drift: Direction* \_\_\_\_\_ *Distance* \_\_\_\_\_

Depth of Haul ~~100 fms~~

### Apparatus and Rig used 6' 6" x 10' 6" x 10' 6"

## 16. *Chloris* (L.) *variegata* L. (var. *virginica* L.)

6

Time towing  $t$  h.  $\frac{L}{2}$   $g_m$

Remarks: *See the following section for a detailed description.*

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. DOWN.	UP.	M.		P.M.	DOWN.	UP.	P.M.		
			0	1	21	00	1	54	40
			30 100	1	24	00	1	52	50
			200						
			300						
			400						
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
			1300						
			1400						
			1500						
			1600						
			1700						
			1800						
			1900						
			2000						
			2100						
			2200						
			2300						
			2400						
			2500						
			2600						
			2700						
			2800						
			2900						
			3000						
			3100						
			3200						
			3300						
			3400						
			3500						
			3600						
			3700						
			3800						
			3900						
			4000						
			4100						
			4200						
			4300						
			4400						
			4500						
			4600						
			4700						
			4800						
			4900						

Hydrog. No. 1225 Date, Feb. 12, 1912

Stg. Mch. 7500 ft. Min. Reel. Shot Lead 14 lbs.

Turns Cor'n Depth 2' 1/2 fms.

Stg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. Cor'n { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 50° Time 11:55 A.M. } Air { 41° Time

Density: Surf. fms.

Wind: Direction S. E. Force 2

Baromet. 30.00 Amt. of Clouds 15° State of Sea 28

Weather S. E.

Direction and Force { Surface of Current. { Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer S. J. S. Recorder 11-1023

## SOUNDING WIRE.

M. Down. | UP. .... M.

FMS.

## DREDGING CABLE.

M. Down. | UP. .... M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge *Hydro* No. 5111 Dated Oct. 11, 1912  
 Sdg. Mch. 111 Reel Sheet Lead lbs.  
 Turns Cor'n Depth fms.  
 Sdg. Cup Amt. Bot'm Sample  
 Character of Bottom  
 Thermom. { Make Cor'n { Instr.  
 No. Stem  
 Bottom Reading Cor'd Temp.  
 Temp. Surf. { Time Cor'd Temp.  
 Time { Stir  
 Density: Surf. fms.  
 Wind: Direction N.W. Force 1  
 Baromet. 30.25 Amt. of Clouds 7 State of Sea S  
 Weather  
 Direction and Force { Surface  
 of Current. Bottom  
 Tide  
 General Locality  
 Position  
 Chart used: No. Ed'n  
 Drift: Direction Distance  
 Depth of Haul  
 Apparatus and Rig used  
 Time towing h. m.  
 Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M.	DOWN.	UP.	M.	M.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
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			2500			
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			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. 1011 Date, March 18, 1912  
Hydrog. Sdg. Mech. Handling of Reel Shot, 14 lbs.  
Turns Cor'n Depth 18 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom.

Thermom. { Make Instr. Cor'n { Stem.  
No.

Bottom Reading Cor'd Temp.  
Temp. Surf. { 50 Time { Air  
Time

Density: Surf. fms.

Wind: Direction N.W. Force 1  
Baromet. 30.25 Amt. of Clouds 7 State of Sea S

Weather D.C. 3

Direction and Force { Surface  
of Current. Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

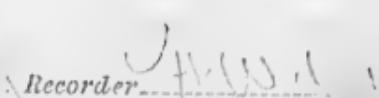
Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer   
Recorder  11-1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. DOWN.	UP.		M.	M.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
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		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Dredge } No. 574 Date 19/1  
Hydrog. } Sdg. Mch. Handline Reel Shot } lbs.  
Turns Cor'n Depth fms.  
Sdg. Cup Amt. Bot'm Sample

Character of Bottom.

Thermom. { Make Cor'n { Instr.  
No. Cor'n { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 53° Time 10:15 } Air { 53°  
25° Time 10:17 } 25°

Density: Surf. fms.

Wind: Direction N.W. Force /

Baromet. 30.22 Amt. of Clouds 7 State of Sea

Weather B.C.R.

Direction and Force of Current. { Surface  
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used

Time towing h. 11 m.

Remarks:

Deck Officer J. V. (Signature) Recorder

11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0		52	
			100	100	100	100
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
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			2500			
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			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Hydrog. } No. 1 Date, Oct 20, 1912  
Sdg. Mch. } 1 Reel Shot } lbs.  
Turns Cor'n Depth 20 fms.

*Sdg. Cup* *Amt. Bot'm*  
*Sample*

## *Character of* British

### Bottom

Thermom. { Make  
No.

Cor'n { Instr.  
          { Stem.

### Bottom Reading

$$Temp. Surf. \left\{ \begin{array}{l} -5^{\circ} 6' \\ \text{Time} \end{array} \right. \left. \begin{array}{l} / 0.5^{\circ} 0.1 \\ \text{Time} \end{array} \right\} \text{air}$$

*Density: Surf.* *fms*

Wind: Direction  $\Delta$ , (s), Force /

Baromet. 30.15 Amt. of Clouds 8 State of Sea

Weather: 65°

Tide

### *General Locality*

### *Position*

Chart used: No. \_\_\_\_\_ Ed'n \_\_\_\_\_

Drift: Direction ..... Distance .....

### *Depth of Haul*

### *Apparatus and Rig used*

Time towing h. m.

### Remarks:

Deck Officer *Mr. J. C. C. M.* Recorder *J. C. C. M.* Cris. 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
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			3300			
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			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. 5 Date, Oct. 26, 1911  
Sdg. Mch. 000000000 Reel 2 Shot  
Turns 0 Cor'n 0 Depth 10 fms.  
Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.  
No. Stem

Bottom Reading Cor'd Temp.  
Temp. Surf. { 55' Time 11:00 A.M. Air { 55°  
57' Time 11:00 A.M. 54°

Density: Surf. fms.

Wind: Direction N. W. Force 1-2  
Baromet. 30.20 Amt. of Clouds 4 State of Sea S

Weather bz.

Direction and Force { Surface  
of Current. Bottom

Tide

General Locality

Position

Chart used: No. Rd'n

Drift: Direction Distance

Depth of Haul 100 fms.

Apparatus and Rig used

Time towing h. m.

Remarks: The current for 100 fms. is  
over 3 knots. The drift is  
current over.

Deck Officer W. C. R. Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M.	DOWN.	UP.	M.	M.	UP.	M.
			0	10	50	00
			30	10	52	30
			400			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
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			2800			
			2900			
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			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Hydrog. No. 504 Date, March 12, 1912  
Sdg. Mch. Hand line Reel Shot 14 lbs.

Turns Cor'n Depth 15 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.  
No. Cor'n { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 5 Time { Cor'd Temp. { 51°  
Time { Air { 51°

Density: Surf. fms.

Wind: Direction N. W. Force 1-2

Baromet. 30.20 Amt. of Clouds 11 State of Sea 3

Weather hazy

Direction and Force { Surface  
of Current. { Bottom

Tide

General Locality

Position

Chart used: No. 1616

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Cleary Recorder H. W. C. 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
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			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. 5712 Date, Feb. 18, 1912  
Hydrog. No. 1000 Reel Shot  
Sdg. Mch. 300 lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom.

Thermom. Make Cor'n Instr.  
No. Cor'n Stem.

Bottom Reading Cor'd. Temp.

Temp. Surf. 52° Time 1:27 A.M. Air 57°  
Time

Density: Surf. fms.

Wind: Direction N.W. Force 2

Baromet. 30.14 Amt. of Clouds 2 State of Sea S

Weather

Direction and Force of Current Surface  
Bottom

Tide

General Locality San Francisco Bay

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 9' Jumbo dredging  
to bottom

Time towing — h. 15 m.

Remarks:

Deck Officer W. C. Gray Recorder A. T. T. 11-1023

## SOUNDING WIRE.

M. DOWN. | UP. M.

FMS.

## DREDGING CABLE.

M. DOWN. | UP. M.

0	123.50	100.00
1500	126.50	102.00
200		
300		
400		
500		
600		
700		
800		
900		
1000		
1100		
1200		
1300		
1400		
1500		
1600		
1700		
1800		
1900		
2000		
2100		
2200		
2300		
2400		
2500		
2600		
2700		
2800		
2900		
3000		
3100		
3200		
3300		
3400		
3500		
3600		
3700		
3800		
3900		
4000		
4100		
4200		
4300		
4400		
4500		
4600		
4700		
4800		
4900		

Breadge } No. 52465 Date, July 18, 1922  
Hydrog. }  
Sdg. Mech. } T. C. Lead } 10 lbs.

Turns Cor'n Depth ✓ fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.  
No. Cor'n Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 1:45 A.M. Air { 57°  
Time

Density: Surf. fms.

Wind: Direction N.W. Force 3

Baromet. 30.12 Amt. of Clouds 2 State of Sea S

Weather

Direction and Force { Surface  
of Current. { Bottom

Tide

General Locality

Position

Chart used: No. Edit'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer W. C. Gray

Recorder F. T. T. 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. 10 Date, 7/1/1912  
Hyps. Mch. 100' Reel Shot  
Sdg. Cup Amt. Bot'm Lead lbs.  
Turns Cor'n Depth 100' fms.  
Character of Bottom

Thermom. { Make Cor'n { Instr.  
No. Cor'n Stem.

Bottom Reading Cor'd Temp.  
Temp. Surf. { 20° Time 17 { Air  
Time

Density: Surf. fms.

Wind: Direction N.W. Force 2-3  
Baromet. 30.11 Amt. of Clouds 2 State of Sea S

Weather

Direction and Force { Surface  
of Current. { Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used 9' Agassiz Net  
before

Time towing - h. 15 m.

Remarks:

Deck Officer Mr. Chas. J. Recorder Frank J. 11-1023

## SOUNDING WIRE.

M. DOWN. | UP. | M.

FMS.

## DREDGING CABLE.

M. DOWN. | UP. | M.

0	3	12	30	3	37	28
60	400	3	16	30	3	32

60 400

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Hydrog. } No. 5252 Date, Oct 18, 1912  
Sdg. Mech. Handled Reel \_\_\_\_\_ Shot } 10 lbs.  
Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 12 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
No. \_\_\_\_\_ Stem. \_\_\_\_\_

Bottom Reading 52° Cor'd Temp. \_\_\_\_\_  
Temp. Surf. { Time 38.3 { Air \_\_\_\_\_  
Time \_\_\_\_\_

Density: Surf. fms.

Wind: Direction NW Force 2

Baromet. 30.10 Amt. of Clouds 2 State of Sea S

Weather  $\frac{1}{2}$

Direction and Force { Surface.  
of Current. Bottom

Tide \_\_\_\_\_

General Locality S 25° E. A. S.

Position

Chart used: No. \_\_\_\_\_ Ed'n \_\_\_\_\_

Drift: Direction Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing? h. m.

Remarks:

Deck Officer W. W. D. Recorder

11-1023

## SOUNDING WIRE.

M. Down. | Up. M.

FMS.

## DREDGING CABLE.

M. Down. | Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge No. 574 Date, Dec. 18, 1912

Hydrog. Sdg. Mech. Wind lead.

Reel

Shot

lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Maker Cor'n { Instr.  
No. Stem.

Bottom Reading Cor'd. Temp.

Temp. Surf. { 62° Time 4:13 P.M. Air { 64.5°  
62° Time 4:24 P.M. 64°

Density: Surf. fms.

Wind: Direction Force 0

Baromet. 30.09 Amt. of Clouds / State of Sea S

Weather

Direction and Force of Current { Surface  
Bottom

Tide

General Locality

S F Bay

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used 9' dredge, 200 ft. line.

Time towing - h. m.

Remarks:

Deck Officer Mr. C. C. Recorder C. G. 141023

## SOUNDING WIRE.

M. Down. | UP. | M.

FMS.

## DREDGING CABLE.

M. Down. | UP. | M.

0

4

09

40

4

23

30

400

4

12

23

4

16

40

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Hydrog. } No. 5001. Date, 7. 2. 16, 1917.  
Hydrog. } Sdg. Mech. Hand. Int. Reel. Shot } Lead } lbs.

Turns ..... Cor'n ..... Depth ..... fms. 19

Sdg. Cup ..... Amt. Bot'm Sample

Character of Bottom

Thermom. { Make ..... Cor'n { Instr. .....  
Thermom. { No. ..... Cor'n { Stem. .....

Bottom Reading ..... Cor'd Temp.

Temp. Surf. { 52° Time 4:24 P.M. { Air } 64°  
Temp. Surf. { Time ..... }

Density: Surf. ..... fms.

Wind: Direction ..... Force 0

Baromet. 29.98 Amt. of Clouds 1 State of Sea 5

Weather bco

Direction and Force { Surface .....  
of Current. { Bottom .....

Tide .....

General Locality .....

Position

Chart used: No. ..... Ed'n .....

Drift: Direction ..... Distance .....

Depth of Haul .....

Apparatus and Rig used ..... 12

f d

Time towing ..... h. m.

Remarks:

Deck Officer

Recorder

## SOUNDING WIRE.

M. DOWN. | UP. M.

## FMS.

M. DOWN. | UP. M.

## DREDGING CABLE.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900



## SOUNDING WIRE.

FMS.

## DREDGING CABLE.

M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0	25	40	59.00
			100			
			200			
			300	10.00	10	10.00
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
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			1900			
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			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Hg  
505/6

Dredge } No. 4747 - Date, March 19, 1912  
Hydrog. }

Sdg. Mch. Reel Shot } Lead lbs.

Turns Cor'n Depth 5 fms.

Sdg. Cup Amt. Bot'm Sample Cat beginning

Character of Bottom

Thermom. { Make Cor'n { Instr.  
{ No. Cor'n { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time { Air  
{ Time {

Density: Surf. fms.

Wind: Direction Force 1-2

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force { Surface  
of Current. { Bottom

Tide

General Locality

Position

Chart used: No. Rd'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used

Front stern of cutter in front

of lower deck, about

Time towing h. 1/4 m.

Remarks: Sailed 5 fathoms towards

front stern of cutter

Deck Officer Recorder 11-1023

11-1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.			
M. DOWN.	UP.		M.	UP.	M.	
		0	10	05	10	10
		100				15
		200				80
		300				
		400				
		500				
		600				
		700				
		800				
		900				
		1000				
		1100				
		1200				
		1300				
		1400				
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		2500				
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		2700				
		2800				
		2900				
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		3100				
		3200				
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		3700				
		3800				
		3900				
		4000				
		4100				
		4200				
		4300				
		4400				
		4500				
		4600				
		4700				
		4800				
		4900				

Dredge } No. 674 F.C. Date, Feb. 18, 1912  
Hydrog. }

Sdg. Mch. Hauler (Reel) Shot } lbs.  
Turns Cor'n Depth " fms.  
Sdg. Cup Amt. Bot'm Sample

Character of Bottom Sh. Ml.

Thermom. { Make Instr.  
No. Cor'n { Stem.  
Bottom Reading Cor'd. Temp.

Temp. Surf. { Time Air  
Time

Density: Surf. fms.

Wind: Direction Force 1-2

Baromet. Amt. of Clouds / State of Sea

Weather clear

Direction and Force of Current { Surface  
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used Tanner

Time of day and date

Time towing h. 8 m.

Remarks: Wind and tide

Deck Officer John C. McLean Recorder John C. McLean 11-1023  
Sdg. Mch. John C. McLean

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0	10	34	00
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Hy  
50526

Dredge } No. 57665 Date, October 1912  
Hydrog. }

Sdg. Mch. Hand Reel Shot Leads lbs.

Turns Cor'n Depth 5' fms.

Sdg. Cup Amt. Bot'm Sample of 1000 fms.

Character of Bottom

Thermom. { Make Cor'n { Instr. fms.  
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time } Air { fms.  
Time

Density: Surf. fms.

Wind: Direction Force 1 to 2

Baromet. Amt. of Clouds / State of Sea

Weather

Direction and Force { Surface fms.  
of Current. Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used

in tow of long line

Time towing h. m.

Remarks: *Bottom of sandbar just*

Deck Officer P. C. R. Reforder L. L. 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
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			1400			
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			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5746 - C Date, February 19, 1912  
Hydrograph

Sdg. Mch. 1000 ft. Reel Shot } lbs.

Turns Cor'n Depth 4 fms. fms.

Sdg. Cup Amt. Bot'm at beginning of Sample haul

Character of Bottom.

Thermom. { Make Cor'n { Instr.  
No. . . . . Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {  
Time

Density: Surf. fms.

Wind: Direction Force /

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force { Surface  
of Current. Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used Trawl net 25 fms.

stern of cutter

Time towing h. 8 m.

Remarks: Trawl held 5 fms. out

Deck Officer Recorder 65 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0	10	3-31-06	11
			100	03	03	00
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			



## SOUNDING WIRE.

M. DOWN. | UP. M.

FMS.

## DREDGING CABLE.

M. DOWN. UP. M.

0	11	12	20	11	12	30
100						
200						
300						
400						
500						
600						
700						
800						
900						
1000						
1100						
1200						
1300						
1400						
1500						
1600						
1700						
1800						
1900						
2000						
2100						
2200						
2300						
2400						
2500						
2600						
2700						
2800						
2900						
3000						
3100						
3200						
3300						
3400						
3500						
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4000						
4100						
4200						
4300						
4400						
4500						
4600						
4700						
4800						
4900						


 FG 50536

Dredg. No. 5222 Date, (12/12/18) 1918  
Hydrog. Sdg. Mech. Fisherman Reel Shot Leads lbs.

Turns Cor'n Depth 5 fms.

Sdg. Cup Amt. Bot'm Sample (at bottom)

Character of Bottom

Thermom. { Make Cor'n { Instr.  
No. Cor'n { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time { Air  
Surf. Time

Density: Surf. fms.

Wind: Direction Force 1

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force { Surface  
of Current. Bottom

Tide

General Locality

Position

Chart used: No. Rd'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used Trawl

Time towing h. 2 1/2 m.

Remarks: ~~11.2000 5 fms. bottom~~  
~~shore to 5 fms.~~

Deck Officer C. C. Recorder. 11-1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.			
M. DOWN.	UP.	M.	M.	UP.	%	M.
		0	11	31	30	11 453.00
		100				
		200				
		300				
		400				
		500				
		600				
		700				
		800				
		900				
		1000				
		1100				
		1200				
		1300				
		1400				
		1500				
		1600				
		1700				
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		2300				
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		2500				
		2600				
		2700				
		2800				
		2900				
		3000				
		3100				
		3200				
		3300				
		3400				
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		3600				
		3700				
		3800				
		3900				
		4000				
		4100				
		4200				
		4300				
		4400				
		4500				
		4600				
		4700				
		4800				
		4900				

Hy 5053

Dredge No. 5750 Date March 20, 1912  
Sdg. Mch. Trawl line - beginning Reel Shot 14 lbs.

Turns Cor'n Depth 3/4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.  
No. Cor'n { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time { Air {  
Time

Density: Surf. fms.

Wind: Direction Force 0 - 1

Baromet. Amt. of Clouds 10 State of Sea S

Weather

Direction and Force of Current. { Surface  
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used Trawl line in tow

from stern. Pulley system in use

Changed to using motor boat.

Time towing h. 33 m.

Remarks: Towed from boat 3/11  
from to 21 fms.

Master Officer Mrs. F. S. Field Recorder W. M. Price  
in Charge of Books 11-1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.						
M. DOWN.	UP.		M.	10	12	30	10	45	30
		0		10	12	30	10	45	30
		100							
		200							
		300							
		400							
		500							
		600							
		700							
		800							
		900							
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		3100							
		3200							
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		3400							
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		3600							
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		3900							
		4000							
		4100							
		4200							
		4300							
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		4500							
		4600							
		4700							
		4800							
		4900							

Brantie } No. 505 16 Date, March 23, 1912  
Hydrog. }  
Sdg. Mch. Land for Reel Shot Lead lbs.  
Turns Cor'n Depth 5 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. ....  
No. Cor'n { Stem. ....

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Time } Air {  
Baromet. Amt. of Clouds / 0 State of Sea S

Density: Surf. fms.

Wind: Direction Force 0 ~ /

Baromet. Amt. of Clouds / 0 State of Sea S

Weather

Direction and Force of Current { Surface  
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing: h. m.

Remarks:

Brantie No. 505 16 Recorder 1000  
in chart book

## SOUNDING WIRE.

M. DOWN. | UP. M.

FMS.

## DREDGING CABLE.

M. DOWN. UP. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge No. 5730 E Date, March 10, 1912

Hydrog. Sdg. Mech. Handline Reel

Shots 1 ✓ lbs.

Turns Cor'n Depth 5 fms.

Sdg. Cup Amt. Bot'm Sample.

Character of Bottom

Thermom. { Make Cor'n { Instr. Cor'n { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time } Air { Time }

Density: Surf. fms.

Wind: Direction Force 0 - 1

Baromet. Amt. of Clouds 0 State of Sea S

Weather

Direction and Force of Current. { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used Med bag towed from stern (cutters by) early motor boat

Time towing h: 16 m.

Remarks: Towed from 5 fms. 1/4 fm toward beach.

Rec'd. from Soderfors Recorder of U.S. C. I. B. 11-1023  
Mark Officer in Charge of boat

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M.	DOWN.	UP.	M.	M.	UP.	M.
			0	10	47	00
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Hydrog. } No. 5 S. of Date, March 20, 1912

Hydrog. } Sdg. Mch. Reel Shab. lbs.

Turns Cor'n Depth 3/4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Cor'n Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Time { Air

Density: Surf. fms.

Wind: Direction Force ° - /  
Baromet. Amt. of Clouds / 0 State of Sea 8

Weather

Direction and Force { Surface  
of Current. Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Hydrographer Mr. V. A. L. (V.A.L.) Recorder A. J. Shab. 11-1023  
in Class 1000 ft. long

## SOUNDING WIRE.

M. DOWN.

UP.

M.

FMS.

## DREDGING CABLE.

M. DOWN.

UP.

M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge No. 5751 Date, March 23, 1912  
 Hydrog. 100' Sdg. Mch. Hand Cook Reel  $\frac{1}{2}$  Lead 12 lbs.  
 Turns Cor'n Depth  $4\frac{1}{2}$  fms.  
 Sdg. Cup Amt. Bot'm Sample

*Thermom.*  $\left\{ \begin{array}{l} \text{Makr} \\ \text{No.} \end{array} \right.$       *Cor'n*  $\left\{ \begin{array}{l} \text{Instr.} \\ \text{Stem.} \end{array} \right.$

Bottom Reading,	Cor'd Temp.	...
Temp. Surf.	Time	...
	Time	

*Density: Surf.* *ems.* *fms.*

Wind: Direction Force 6 - 1  
Baromet. Amt. of Clouds 10 State of Sea S

*Weather* \_\_\_\_\_

Direction and Force  
of Current. { Surface \_\_\_\_\_  
Bottom \_\_\_\_\_

*Title* \_\_\_\_\_

*General Locality*

*Position* . . . . .

Chart used: No. \_\_\_\_\_ *Ed'n* \_\_\_\_\_

*Drift: Direction* \_\_\_\_\_ *Distance* \_\_\_\_\_

Depth of Haul ... 150 fms  
Apparatus and Rig used Two 6 kg weights  
from stem of cutter by Large  
magnet broad

Time towing h. 9 m.  
Remarks: Towed from 4' low to 3' m.  
from beach below 8'

Wm. P. identified <sup>Recorder of Deeds</sup> in <sup>11-1023</sup> charge of books

## SOUNDING WIRE.

M. DOWN. | UP. M.

FMS.

## DREDGING CABLE.

M. DOWN. | UP. M.

			0	11	18	00	11	27	00
			100						
			200						
			300						
			400						
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
			1300						
			1400						
			1500						
			1600						
			1700						
			1800						
			1900						
			2000						
			2100						
			2200						
			2300						
			2400						
			2500						
			2600						
			2700						
			2800						
			2900						
			3000						
			3100						
			3200						
			3300						
			3400						
			3500						
			3600						
			3700						
			3800						
			3900						
			4000						
			4100						
			4200						
			4300						
			4400						
			4500						
			4600						
			4700						
			4800						
			4900						

Hydrog. No. 5355 Date, March 20, 1912  
Sdg. Mech. Jan 16 Reel Shot Lead 1/4 lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.  
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time { Air  
Surf. Time }

Density: Surf. fms.

Wind: Direction Force 0 - 1

Baromet. Amt. of Clouds / 0 State of Sea

Weather

Direction and Force { Surface  
of Current. Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Yorkfield recorder  
in charge of boat

11-1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. DOWN.	UP.		M.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Dredge No. 5751 Date, March 2, 1912

Apparatus used: 1/2 Reel Shot Lead lbs.

Turns Cor'n Depth 5 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time } Air { Time }

Density: Surf. fms.

Wind: Direction Force 0

Baromet. Amt. of Clouds 10 State of Sea S

Weather

Direction and Force of Current { Surface ...  
Bottom ...

Tide

General Locality

Position

Chart used: No. Rd'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 1' Lower forward  
row of 6 m of bottom by 1 m  
row 6 m.

Remarks: Towed from 6 to 13 m.

W. W. Parker in Charge

Mr. Parker in Charge of the Recorder

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
M. DOWN.	UP.		M.	UP.	M.
		0	11	32	11
		100		45	00
		200			
		300			
		400			
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
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		2500			
		2600			
		2700			
		2800			
		2900			
		3000			
		3100			
		3200			
		3300			
		3400			
		3500			
		3600			
		3700			
		3800			
		3900			
		4000			
		4100			
		4200			
		4300			
		4400			
		4500			
		4600			
		4700			
		4800			
		4900			

Hydrog. No. 5055 A Date, March 1, 1912  
Hydrog. No. 5055 A Date, March 1, 1912  
Sdg. Mch. Flan & Jard Reel Shot 11 lbs.  
Turns ... Cor'n Depth 4 fms.  
Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make ... Cor'n { Instr.  
No. ... Stem.

Bottom Reading ... Cor'd Temp. ...

Temp. Surf. { Time ... } Air  
Time ...

Density: Surf. ... fms.

Wind: Direction ... Force 0 -

Baromet. ... Amt. of Clouds 10 State of Sea S

Weather

Direction and Force { Surface ...  
of Current. Bottom ...

Tide ...

General Locality

Position

Chart used: No. ... Ed'n ...

Drift: Direction ... Distance ...

Depth of Haul ...

Apparatus and Rig used ...

Time towing? ... h. ... m.

Remarks:

Underwater multi-tube fish recorder 11-1023  
in the course of boat

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. DOWN.	UP.	M.	M.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Dredge } No. 5724 Date, Aug. 20, 19. 1  
Haul } Haul Reel Shot } 17 lbs.  
Sdg. Mech. T. W. D. S. Lead }  
Turns Cor'n Depth fms.  
Sdg. Cup Amt. Bot'm Sample  
Character of Bottom Silt

Thermom. { Make Cor'n { Instr.  
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time } Air {  
Time

Density: Surf. fms.

Wind: Direction. Wind Force 0

Baromet. Amt. of Clouds 2 State of Sea

Weather

Direction and Force of Current. { Surface  
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 4 f. 2 min. from

Outer end of a small boat

Time towing - h. 3 m.

Remarks: Towed from boat and

then - 2 min. at

Outer end of a small boat

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0	17	03	00
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Hydrog. } No. 5056 Date, 20, 1912  
Hydrog. } Sdg. Mech. 7. Sdg. Reel  
Sdg. Cup } Character of Bottom

Turns Cor'n Depth 5 fms.

Sdg. Cup Amt. Bot'm Sample /

Character of Bottom

Thermom. { Make Cor'n { Instr.  
No. Cor'n Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {  
Time

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force { Surface  
of Current. Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer P. J. S. J. Recorder 11-1023  
on C. S. S.

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. DOWN.	UP.	M.	M.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
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		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Dredge } No. 5752 Date, 1912  
Hgdrog. }  
Sdg. Mch. A. S. B. Reel Shot } 14 lbs.

Turns Cor'n Depth 5 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom S. FF

Thermomi. { Male Cor'n { Instr.  
No. Cor'n Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time } Air {  
Time

Density: Surf. fms.

Wind: Direction Calm Force 0

Baromet. 30.03 Amt. of Clouds 2 State of Sea S

Weather EC

Direction and Force of Current { Surface  
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used Hand Tug, C. B. (in 6 ft. water)

Time towing h. m.

Remarks: Toward beach.

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0	1 00 00	1 02 00	
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
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			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5052 A Date, Mar. 20, 1912  
Hydrog. }

Sdg. Mch. Hawkins Reel Shot } 14 lbs.

Turns Cor'n Depth 5 ft fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.  
No. Cor'n Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time } Air {  
Time

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface  
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer H. P. Nichols Recorder J. T. W. J.  
in Chg. of Boat 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

